

IN THE CLAIMS

Please amend claims 1, 3, 5, 13 and 18, and add claim 23, as follows:

1 1. (Currently Amended) An electron gun for a color cathode ray tube, the
2 electron gun comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions
5 including a first vertically elongated indented portion formed at an output side surface of
6 said control electrode and including a first hole portion formed in the first indented
7 portion, the electron beam passing through said control electrode, the first hole portion
8 having [[a]] an elongated shape ~~selected from among circular and elongated~~;

9 a screen electrode ~~being~~ installed adjacent to said control electrode, said screen
10 electrode having second hole regions; and

11 a plurality of focusing electrodes ~~being~~ sequentially installed from said screen
12 electrode.

1 2. (Original) The electron gun of claim 1, the first vertically elongated
2 indented portion being rectangular.

1 3. (Currently Amended) The electron gun of claim 2, ~~the first hole portion~~

2 ~~with the circular shape having vertical and horizontal widths equal to each other,~~ the first
3 hole portion with the elongated shape having a vertical width and a horizontal width with
4 the vertical width being greater than the horizontal width.

1 4. (Original) The electron gun of claim 3, each one of the second hole regions
2 having one shape selected from among circular and vertically elongated.

1 5. (Currently Amended) The An electron gun of claim 3, for a color cathode
2 ray tube, the electron gun, comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions
5 including a first vertically elongated indented portion formed at an output side surface of
6 said control electrode and including a first hole portion formed in the first indented
7 portion, the electron beam passing through said control electrode;

8 a screen electrode installed adjacent to said control electrode, said screen
9 electrode having second hole regions; and

10 a plurality of focusing electrodes sequentially installed from said screen electrode;

11 each one of the second hole regions including a second indented portion formed at
12 an output side surface of said screen electrode and a second hole portion formed in the
13 second indented portion, the electron beam passing through the second hole portion.

1 6. (Original) The electron gun of claim 5, the second indented portion having
2 one shape selected from among circular and vertically elongated.

1 7. (Original) The electron gun of claim 6, the second hole portion having one
2 shape selected from among circular and vertically elongated, the circular second hole
3 portion having vertical and horizontal widths equal to each other, the vertically elongated
4 second hole portion having a vertical width greater than a horizontal width.

1 8. (Previously Presented) The electron gun of claim 2, the first hole portion
2 with the elongated shape corresponding to a first hole portion having a rectangular shape.

1 9. (Previously Presented) The electron gun of claim 1, the first hole portion
2 with the elongated shape corresponding to a first hole portion having a rectangular shape.

1 10. (Original) The electron gun of claim 1, each one of the second hole regions
2 having one shape selected from among circular and vertically elongated.

1 11. (Previously Presented) An electron gun for a color cathode ray tube, the
2 gun comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions

5 including a first vertically elongated indented portion formed at an output side surface of
6 said control electrode and including a first hole portion formed in the first indented
7 portion, the electron beam passing through said control electrode;

8 a screen electrode being installed adjacent to said control electrode, said screen
9 electrode having second hole regions; and

10 a plurality of focusing electrodes being sequentially installed from said screen
11 electrode, each one of the second hole regions including a second indented portion
12 formed at an output side surface of said screen electrode and a second hole portion
13 formed in the second indented portion, the electron beam passing through the second hole
14 portion.

1 12. (Original) The electron gun of claim 11, the second hole portion having
2 one shape selected from among circular and vertically elongated, the circular second hole
3 portion having vertical and horizontal widths equal to each other, the vertically elongated
4 second hole portion having a vertical width greater than a horizontal width.

1 13. (Currently Amended) An electron gun for a color cathode ray tube, the gun
2 comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions
5 including a first vertically elongated indented portion formed at an output side surface of

6 said control electrode and including a first hole portion formed in the first indented
7 portion, the electron beam passing through said control electrode, the first hole portion
8 having one shape selected from among ~~circular~~, elongated[[,]] and square;

9 a screen electrode ~~being~~ installed adjacent to said control electrode, said screen
10 electrode having second hole regions; and

11 a plurality of focusing electrodes forming a plurality of quadrupole lenses, said
12 focusing electrodes being sequentially installed from said screen electrode and
13 respectively forming electron beam passing holes having a predetermined shape.

1 14. (Previously Presented) An electron gun for a color cathode ray tube, the
2 gun comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions
5 including a first vertically elongated indented portion formed at an output side surface of
6 said control electrode and including a first hole portion formed in the first indented
7 portion, the electron beam passing through said control electrode;

8 a screen electrode being installed adjacent to said control electrode, said screen
9 electrode having second hole regions; and

10 a plurality of focusing electrodes forming a plurality of quadrupole lenses, said
11 focusing electrodes being sequentially installed from said screen electrode and
12 respectively forming electron beam passing holes having a predetermined shape, said

13 focusing electrodes comprising:

14 first, second, and third focusing electrodes, respectively having electron beam
15 passing holes forming a predetermined shape;

16 a fourth focusing electrode being installed adjacent to said third focusing
17 electrode, said fourth focusing electrode forming a first quadrupole lens; and

18 a fifth focusing electrode being installed adjacent to said fourth focusing
19 electrode, said fifth focusing electrode forming a second quadrupole lens.

1 15. (Original) The electron gun of claim 14, further comprising a final
2 acceleration electrode being installed adjacent to said fifth focusing electrode, said final
3 acceleration electrode forming a main lens.

1 16. (Original) The electron gun of claim 15, said third and fourth focusing
2 electrodes each having output side surfaces forming vertically elongated electron beam
3 passing holes, said fourth and fifth focusing electrodes each having input side surfaces
4 forming horizontally elongated electron beam passing holes, a constant voltage being
5 applied to said screen electrode and said second focusing electrode, a focusing voltage
6 higher than the constant voltage being applied to said first focusing electrode and said
7 fourth focusing electrode, a dynamic focusing voltage using the focusing voltage as a
8 base voltage being applied to said third and fifth focusing electrodes.

1 17. (Original) The electron gun of claim 16, each one of the second hole
2 regions including a second indented portion formed at an output side surface of said
3 screen electrode and a second hole portion formed in the second indented portion, the
4 electron beam passing through the second hole portion.

1 18. (Currently Amended) An electron gun for a color cathode ray tube, the gun
2 comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions
5 including a first vertically elongated indented portion formed at an output side surface of
6 said control electrode and including a first hole portion formed in the first indented
7 portion, the electron beam passing through said control electrode, the first hole portion
8 having ~~[[one]] a square shape selected from among circular, elongated, and square;~~

9 a screen electrode ~~being~~ installed adjacent to said control electrode, said screen
10 electrode having second hole regions; and

11 a plurality of focusing electrodes ~~being~~ sequentially installed from said screen
12 electrode.

1 19. (Previously Presented) An electron gun for a color cathode ray tube, the
2 gun comprising:

3 a cathode emitting an electron beam;

4 a control electrode having first hole regions, each one of the first hole regions
5 including a first elongated indented portion formed at an output side surface of said
6 control electrode and including a first hole portion formed in the first indented portion,
7 the electron beam passing through said control electrode;

8 a screen electrode being installed adjacent to said control electrode, said screen
9 electrode having second hole regions; and

10 a first plurality of focusing electrodes forming a plurality of quadrupole lenses,
11 said first plurality of focusing electrodes being sequentially installed from said screen
12 electrode and respectively forming electron beam passing holes, said first plurality of
13 focusing electrodes comprising:

14 a second plurality of focusing electrodes, respectively having electron beam
15 passing holes;

16 an additional focusing electrode being installed adjacent to said second
17 plurality of focusing electrodes, said additional focusing electrode forming a first
18 quadrupole lens; and

19 a next focusing electrode being installed adjacent to said additional
20 focusing electrode, said next focusing electrode forming a second quadrupole lens.

1 20. (Previously Presented) An apparatus emitting electron beams, the
2 apparatus comprising:

3 at least two cathodes emitting electron beams, said at least two cathodes being

4 arranged substantially in a horizontal line; and

5 a control electrode having first hole regions, each one of the first hole regions
6 including a first vertically elongated indented portion formed at an output side surface of
7 said control electrode and including a first hole portion formed in the first indented
8 portion, at least one of the electron beams passing through said control electrode, the first
9 hole portion having one shape selected from among circular, elongated, and square.

1 Claim 21. (Canceled)

1 22. (Previously Presented) An apparatus emitting electron beams, the
2 apparatus comprising:

3 at least two cathodes emitting electron beams, said at least two cathodes being
4 arranged substantially in a horizontal line;

5 a control electrode having first hole regions, each one of the first hole regions
6 including a first vertically elongated indented portion formed at an output side surface of
7 said control electrode and including a first hole portion formed in the first indented
8 portion, at least one of the electron beams passing through said control electrode; and

9 a screen electrode being installed adjacent to said control electrode, said screen
10 electrode having second hole regions, each one of the second hole regions including a
11 second indented portion formed at an output side surface of said screen electrode and a
12 second hole portion formed in the second indented portion, at least one of the electron

13 beams passing through the second hole portion.

1 23. (New) The apparatus of claim 20, wherein the first hole portion has a shape
2 which is one of elongated and square.